

## Datasheet: AHP1034

**BATCH NUMBER 159540**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-5
<b>Specificity:</b>	IL-5
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.05 - 0.09ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
<b>Antiserum Preparation</b>	Antisera to human IL-5 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present

**Stabilisers**

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml after reconstitution

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**Immunogen** Recombinant human IL-5.

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**External Database Links**

**UniProt:**  
[P05113](#) [Related reagents](#)

**Entrez Gene:**  
[3567](#) IL5 [Related reagents](#)

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**RRID** AB\_2127327

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**Specificity**

**Rabbit anti Human Interleukin-5 antibody** recognizes human IL-5 (Interleukin-5), a disulphide-linked homodimer consisting of two 115 amino acid chains, which is homologous to mouse eosinophil differentiation factor (EDF) and is produced by mast cells, eosinophils and T cells.

IL-5 is a lineage-specific cytokine involved in the development and stimulation of eosinophils, and has been linked with diseases involving abnormally high levels of eosinophils, including parasitic infections and allergic airways eosinophilia, the major pathological symptom of allergic asthma.

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**ELISA**

This antibody may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with [AHP1034B](#) as the detection antibody

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**Further Reading**

1. Campbell, H.D. *et al.* (1987) Molecular cloning, nucleotide sequence, and expression of the gene encoding human eosinophil differentiation factor (interleukin 5). [Proc Natl Acad Sci U S A. 84 \(19\): 6629-33.](#)
  2. Wang, J. *et al.* (1998) Circulating, but not local lung, IL-5 is required for the development of antigen-induced airways eosinophilia. [J Clin Invest. 102 \(6\): 1132-41.](#)
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**Storage**

Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

6 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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